CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

Order No. 78-91

NPDES NO. CA0028410

WASTE DISCHARGE REQUIREMENTS FOR:

ECONOMICS LABORATORY, INC.
SANTA CLARA COUNTY

1. Economics Laboratory, Inc., hereinafter discharger, submitted a report of waste discharge (NPDES Short Form C) dated May 31, 1978, applying for waste discharge requirements and a permit to discharge wastes under the National Pollutant Discharge Elimination System (NPDES).

2. The discharger is manufacturing detergents and institutional cleaning compounds. The discharger proposes to discharge up to 10,000 gallons per day, 4 days per month, of non-contact cooling water to a storm drain tributary to Coyote River, a water of the United States.

3. The discharge is a "minor discharge" as defined in Section 2235(e) of Chapter 3, Title 23 of the California Administrative Code, and is not of a category for which effluent limitations, standards of performance, or toxic and pretreatment effluent standards have been promulgated pursuant to Sections 301, 302, and 307 of the Federal Water Pollution Control Act.

4. The issuance of waste discharge requirements for this discharge is exempt from the provisions of Chapter 3 (commencing with Section 21000) of Division 13 of Public Resources Code (CEQA) in accordance with Water Code Section 13389.

5. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge, and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.

6. The Board in a public meeting heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED, Economics Laboratory, Inc., pursuant to the provisions of Division 7 of the California Water Code and regulations adopted thereunder, and to the provisions of the Federal Water Pollution Control Act as amended and regulations and guidelines adopted thereunder, shall comply with the following:

A. Discharge Limitations

1. The discharge shall be limited to wastewater of the quantity, quality, and type described in the permit application.

2. The discharge shall not cause a pollution or nuisance as defined in the California Water Code.

* 3. The discharge shall contain only biocides, algaecides, or water treatment compounds approved by the Executive Officer. *

4. The discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the Board or the State Water Resources Control Board as required by the Federal Water Pollution Control Act and regulations adopted thereunder.

B. Provisions

1. This order includes the attached "Standard Provisions" dated October 15, 1975.

2. This Order expires on November 20, 1983. The discharger must file a Report of Waste Discharge in accordance with Title 23, Chapter 3, Subchapter 9 of the California Administrative Code not later than 180 days in advance of such expiration date as application for issuance of new waste discharge requirements.

3. The discharger shall furnish technical or monitoring reports as directed by the Executive Officer.

4. The discharger shall file with the Board a report of waste discharge at least 120 days before making any material change in the character, location, or volume of the discharge.

This Order shall serve as a National Pollutant Discharge Elimination System permit pursuant to Section 402 of the Federal Water Pollution Control Act, or amendments thereto, and shall take effect at the end of ten days from date of hearing provided the Regional Administrator, Environmental Protection Agency, has no objections.

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region on November 21, 1978.

FRED H. DIERKER
Executive Officer

Attachments:
Standard Provisions
for Minor Discharges (10/75)
Self-Monitoring Program

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM
FOR

Economics Laboratory, Inc.

San Jose

Alameda County

NPDES NO. CA 0028410

ORDER NO. 78-91

CONSISTS OF

PART A (dated January 1978)

AND

PART B (ordered _____)

PART B

I. DESCRIPTION OF SAMPLING STATIONS

A. INFLUENT

Station	Description
I-1	At any point prior to the use of Alameda County Water District water into cooling towers.

B. EFFLUENT

Station	Description
E-1	At any point in the outfall of the waste between the point of discharge and the point at which all waste tributary to that outfall is present.

II. SCHEDULE OF SAMPLING AND ANALYSIS

A. The schedule of sampling and analysis shall be that given as Table I.

III. MODIFICATION OF PART "A", DATED 1/78

1. Does not include the following paragraphs of Part A:

C.1, C.3, C.4, C.5.a, C.5.c, C.5.d, C.5.e, D.3, D.4, F.3.e

2. Includes the following modifications:

a. Paragraph C.1: A composite sample shall consist of three grab samples taken at equal time intervals throughout the discharge to represent the discharge.

b. Paragraph D.2.b: Composite samples shall be taken on the same day and at the same time as influent composites.

c. Paragraph F.3: Self-Monitoring Reports

Self-Monitoring Reports shall be submitted yearly not later than July 15th. However, a special one time monitoring report shall be submitted within thirty days of the commencement of discharge.

d. Paragraph F.3.e: Effluent Data Summary

Your responsibilities under the Self-Monitoring Program will be fulfilled by filing with this Regional Board all documents specified in the program except EPA Form 3320-1. You do not need to file the Federal "Discharge Monitoring Report" (Form EPA 3320-1) with the EPA.

I Fred H. Dierker, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 78-91.

2. Has been ordered by the Executive Officer on
All initial samples will be scheduled and reported within thirty days per III.2.a above.

3. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger and revisions will be ordered by the Executive Officer.

FRED H. DIERKER
Executive Officer

Date Ordered _____

Attachment:
Table I

TABLE I

SCHEDULE FOR SAMPLING, MEASUREMENTS, AND ANALYSIS

Sampling Station	E-1		I-1										
TYPE OF SAMPLE	C [1]	G		C									
Flow Rate (mgd)	Y												
BOD, 5-day, 20° C, or COD (mg/l & kg/day)													
Chlorine Residual & Dosage (mg/l)													
Settleable Matter (ml/1-hr. & cu. ft./day)													
Total Suspended Matter (mg/l & kg/day)	Y			Y									
Oil & Grease (mg/l & kg/day)	Y			Y									
Coliform (Total or Fecal) (MPN/100 ml) per req't													
Fish Toxicity, 96-hr. TL_{50} % Survival in undiluted waste	Y												
Ammonia Nitrogen (mg/l & kg/day)													
Nitrate Nitrogen (mg/l & kg/day)													
Nitrite Nitrogen (mg/l & kg/day)													
Total Organic Nitrogen (mg/l & kg/day)													
Total Phosphate (mg/l & kg/day)													
Turbidity (Jackson Turbidity Units)													
pH (units)	Y			Y									
Dissolved Oxygen (mg/l and % Saturation)													
Temperature (°C)	Y			Y									
Apparent Color (color units)													
Secchi Disc (inches)													
Sulfides (if DO < 5.0 mg/l) Total & Dissolved (mg/l)													
Arsenic (mg/l & kg/day)													
Cadmium (mg/l & kg/day)													
Chromium, Total (mg/l & kg/day)	Y			Y									
Copper (mg/l & kg/day)	Y			Y									
Cyanide (mg/l & kg/day)													
Silver (mg/l & kg/day													
Lead (mg/l & kg/day)													

TABLE I (continued)
SCHEDULE FOR SAMPLING, MEASUREMENTS, AND ANALYSIS

Sampling Station	E-1		I-1										
TYPE OF SAMPLE	C[1/]	G		C									
Mercury (mg/l & kg/day)													
Nickel (mg/l & kg/day)													
Zinc (mg/l & kg/day)	Y			Y									
PHENOLIC COMPOUNDS (mg/l & kg/day)													
All Applicable Standard Observations		Q											
Bottom Sediment Analyses and Observations													
Total Identifiable Chlorinated Hydrocarbons (mg/l & kg/day)													

LEGEND FOR TABLE

TYPES OF SAMPLES

G = grab sample
C-24 = composite sample - 24-hour
C-X = composite sample - X hours (used when discharge does not continue for 24-hour period)
Cont = continuous sampling
DI = depth-integrated sample
BS = bottom sediment sample
O = observation

TYPES OF STATIONS

I = intake and/or water supply stations
A = treatment facility influent stations
E = waste effluent stations
C = receiving water stations
P = treatment facilities perimeter stations
L = basin and/or pond levee stations
B = bottom sediment stations
G = groundwater stations

FREQUENCY OF SAMPLING

E = each occurence
H = once each hour
D = once each day
W = once each week
M = once each month
Y = once each year

2/H = twice per hour
2/W = 2 days per week
5/W = 5 days per week
2/M = 2 days per month
2/Y = once in March and once in September
Q = quarterly, once in March, June, Sept. and December

2H = every 2 hours
2D = every 2 days
2W = every 2 weeks
3M = every 3 months
Cont = continuous

Note:
1. Composite sample shall consist of 3 grab samples taken at equal time intervals to represent the discharge.